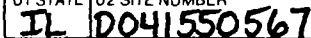




426916

D.2  
6/8/81

<b>POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT</b>				<b>I. IDENTIFICATION</b> 01 STATE 02 SITE NUMBER <b>IL D041550567</b>	
<b>II. SITE NAME AND LOCATION</b>					
01 SITE NAME (Legal, common, or descriptive name of site) <b>UNION OIL Co. (CHGO. REF.)</b>			02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER <b>135TH AND NEW AVENUE</b>		
03 CITY <b>LEMONT</b>		04 STATE <b>IL</b>	05 ZIP CODE <b>60439</b>	06 COUNTY <b>COOK</b>	07 COUNTY CODE <b>031</b>
09 COORDINATES LATITUDE <b>41°38'35.6"</b> LONGITUDE <b>88°03'07.0"</b>		TOPO MAP : <b>ROMEIOVILLE SAG BRIDGE QUADS</b>			
10 DIRECTIONS TO SITE (Starting from nearest public road) <b>TAKE NEW AVE. SOUTH THROUGH LEMONT AND FOLLOW IT SOUTH TO 135TH ST. TURN RIGHT AND GO ACROSS TRACKS AND THE REF. WILL BE ON RIGHT SIDE.</b>					
<b>III. RESPONSIBLE PARTIES</b>					
01 OWNER (If known) <b>UNION OIL CO. (CHGO REFINERY)</b>			02 STREET (Business, mailing, residential) <b>135TH AND NEW AVE</b>		
03 CITY <b>LEMONT</b>		04 STATE <b>IL</b>	05 ZIP CODE <b>60439</b>	06 TELEPHONE NUMBER <b>(312) 257-7761</b>	
07 OPERATOR (If known and different from owner) <b>MR. HENRY HAAS (SUPERINTENDENT OF ENVIRON. DEPT.)</b>			08 STREET (Business, mailing, residential) <b>135TH + NEW AVE</b>		
09 CITY <b>LEMONT</b>		10 STATE <b>IL</b>	11 ZIP CODE <b>60439</b>	12 TELEPHONE NUMBER <b>(312) 257-7761</b>	
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input checked="" type="checkbox"/> A. RCRA 3001 DATE RECEIVED: <b>8/18/80</b> MONTH DAY YEAR <input checked="" type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: <b>6/8/81</b> MONTH DAY YEAR <input type="checkbox"/> C. NONE					
<b>IV. CHARACTERIZATION OF POTENTIAL HAZARD</b>					
01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES    DATE <b>8/11/80</b> MONTH DAY YEAR <input type="checkbox"/> NO <b>11/19/80</b>		BY (Check all that apply) <input checked="" type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____			
02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR _____ ENDING YEAR _____ <input checked="" type="checkbox"/> UNKNOWN			
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED <b>SLUDGES (TOXIC, PERSISTENT)</b> <b>OILY WASTE (TOXIC, PERSISTENT, FLAMMABLE)</b> <b>HEAVY METALS (TOXIC, PERSISTENT)</b>					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION <b>PERCOLATION INTO GROUNDWATER (ENV + POPULATION)</b> <b>RUNOFF TO SURFACE WATER (ENVIRONMENT + POPULATION)</b>					
<b>V. PRIORITY ASSESSMENT</b>					
01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)					
<b>VI. INFORMATION AVAILABLE FROM</b>					
01 CONTACT <b>MR. BRAD BENNING</b>		02 OF (Agency Organization) <b>IEPA (NORTHEAST REG.)</b>		03 TELEPHONE NUMBER <b>312-345-9780</b>	
04 PERSON RESPONSIBLE FOR ASSESSMENT		05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER ( )	08 DATE _____/_____/_____ MONTH DAY YEAR



<input checked="" type="checkbox"/> A TOXIC	<input type="checkbox"/> E SOLUBLE	<input type="checkbox"/> I HIGHLY VOLATILE
<input type="checkbox"/> B CORROSIVE	<input type="checkbox"/> F INFECTIOUS	<input type="checkbox"/> J EXPLOSIVE
<input type="checkbox"/> C RADIOACTIVE	<input checked="" type="checkbox"/> G FLAMMABLE	<input type="checkbox"/> K REACTIVE
<input checked="" type="checkbox"/> D PERSISTENT	<input type="checkbox"/> H IGNITABLE	<input type="checkbox"/> L INCOMPATIBLE
		<input type="checkbox"/> M NOT APPLICABLE



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
IL D041550567

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 20,000 04 NARRATIVE DESCRIPTION

SLUDGES SPREAD ON SURFACE OF FIELD. PERCOLATION INTO GROUND A VERY GOOD POSSIBILITY. WELLS HAVE BEEN INSTALLED AROUND LAGOONS BY UNION OIL CO.

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☒ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 20,000 04 NARRATIVE DESCRIPTION

HAS BEEN A COMPLAINT + SUIT FILED AGAINST CO FROM NEIGHBOR COMPLAINING HIS WATER (LAKE) IS BEING OR WAS CONTAMINATED. RUNOFF WAS PROBLEM + IS POTENTIAL PROB.

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

01 ☒ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 245 (1/2 MILE) 04 NARRATIVE DESCRIPTION

FLAMMABLE MATERIAL PRESENT IN WASTE

01 ☒ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 245 04 NARRATIVE DESCRIPTION

TO HOMES x 3.5014 (1/2 MILE)  
SITE ONLY CONTAINED BY SMALL BARBED FENCE - GEN. POPULATION EXPOSURE POTENTIAL HIGH.

01 ☒ F. CONTAMINATION OF SOIL 02 ☒ OBSERVED (DATE: 11/19/80) ☒ POTENTIAL ☒ ALLEGED  
03 AREA POTENTIALLY AFFECTED: 3-5 (Acres) 04 NARRATIVE DESCRIPTION

SLUDGE SPRAYED ON FIELD. - COMPLAINTS FILED FROM NEIGHBORS + INVESTIGATED BY IEPA.  
SILT FROM DRAINAGE BASIN IS CONTAMINATING SOILS.

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 20,000 04 NARRATIVE DESCRIPTION

POTENTIAL D.W. PROBLEM DUE TO POSSIBLE GROUND + SURFACE WATER CONTAMINATION.

01 ☒ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 WORKERS POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

ANY WORKER WHO IS DOING THE DUMPING IS EXPOSED TO CONTAMINANT EITHER THROUGH CONTACT DERMALLY OR AIR EMISSION

01 ☒ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☒ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 20,000 04 NARRATIVE DESCRIPTION

COMPLAINTS + SUIT FILED BECAUSE OF RUNOFF CONTAMINATING PROPERTY + LAKE OF NEIGHBOR + POTENTIALLY OTHER PEOPLE IN AREA.



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
IL 0041550567

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION

SLUDGE APPLIED TO FIELD - POTENTIAL AFFECT ON  
FLORA PRESENT. CORNFIELD NEXT TO SITE.

01 ☒ K. DAMAGE TO FAUNA 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☒ ALLEGED  
04 NARRATIVE DESCRIPTION (Include name(s) of species)

RUNOFF FROM FIELD APPLICATION ENTERING LAKE  
ON NEIGHBOR PROPERTY. DAMAGE IS A GOOD POTENTIAL - FISH & other spp.

01 ☒ L. CONTAMINATION OF FOOD CHAIN 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION

A CORN FIELD IS ADJACENT TO SITE AND RUNOFF  
COULD CONTAMINATE IT. NEIGHBORS LAKE IF AFFECTED -  
MEANS FISH COULD BE CONTAMINATED

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES 02 ☒ OBSERVED (DATE: 11/19/80) ☒ POTENTIAL ☒ ALLEGED  
(Spills/runoff/standing liquids/leaking drums)

03 POPULATION POTENTIALLY AFFECTED: 20,000 04 NARRATIVE DESCRIPTION

RUNOFF FROM APPLICATION TO GROUND (DIRECT)  
LAGOONS + STANDING LIQUIDS

01 ☒ N. DAMAGE TO OFFSITE PROPERTY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☒ ALLEGED  
04 NARRATIVE DESCRIPTION

NEIGHBOR SUIT FILED FOR DAMAGE TO PROPERTY.  
(LAND + LAKE)

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING 02 ☒ OBSERVED (DATE: 8/80) ☐ POTENTIAL ☒ ALLEGED  
04 NARRATIVE DESCRIPTION

TRUCKS SEEN DUMPING WASTE ON FIELD.  
(NEIGHBOR COMPLAINTS FUELED IEPA  
TO MAKE INSPECTION)

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: ± 20,000

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references e.g., state files, sample analysis reports)

\* IEPA FILES (MR. BRAD BENNING) (312) 345-9780  
MEMORANDUM (UNION OIL CO.) 6/2/1970



# ecology and environment, inc.

223 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60606, TEL. 312-663-9415

International Specialists in the Environmental Sciences

DATE: January 18, 1983  
TO: File/USEPA Region V  
FROM: Paul D. Shea  
SUBJECT: Preliminary Assessment  
Illinois/TDD#R5-8212-01A  
Lemont/Union Oil Company (Chicago Refinery)  
ILD041550567

Attached is EPA's Preliminary Assessment Form 2070-12 for the above referenced site.

Primary information was gathered from the following source(s):

1. IEPA Files (Mr. Brad Benning, 312/345-9780)
2. Ecology and Environment Files (TDD#F5-8005-03)
3. Memorandum (Union Oil Company), June 2, 1970

Information indicates the following responsible parties should be listed. They are listed here because of space limitations:

1. None
- 2.
- 3.

Presently, data gaps or no verification exists in the following key area(s):

1. Waste quantity
2. Groundwater/surface water contamination
3. Years of operation for site (1922-1980 ~~CEM~~)

A review of the available data indicates that additional information will be necessary to assess the impact(s) on:

1. Waste quantity
2. Groundwater/surface water
3. Direct contact
- 4.
- 5.

Suggested methods/sources for obtaining additional information are:

1. Sampling/monitoring
2. On and off site inspection
- 3.

Notice of an apparent need for emergency action was transmitted  
to N/A on N/A  
by N/A.